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9526538



## **1.0 INTRODUCTION**

Under Technical Enforcement Support contract no. 68-W9-0006 (TES 9), work assignment no. C06072, PRC Environmental Management, Inc. (PRC), has completed a Phase IA Site Inspection Prioritization (SIP) Report for Air Products & Chemicals, St. Gabriel, Louisiana (LAD085551877). This report summarizes the results of the file review and Preliminary Assessment (PA) Score package. The report is based on (1) information obtained from U.S. Environmental Protection Agency (EPA) files concerning the site, and (2) information that PRC was able to obtain from soil surveys and a population census of the region. EPA files included information only through July 16, 1984.

SIPs are a part of EPA's site assessment process. EPA is tasked with assessing the relative risk that each hazardous waste site poses to human health and the environment. The first step in this process is a PA of the site. Next, if needed, is a site inspection (SI). Through the SIP process, EPA generally reviews sites that have undergone an SI but have not received a decision regarding the need for further action. EPA uses the results of the SIP to assess whether information obtained during the SI meets the minimum standard of (1) the revised Hazard Ranking System (HRS) and (2) scoring strategies required by EPA. The SIP enables EPA to determine whether a site is likely to receive a score of 28.5 or above on the revised HRS, which is the minimum score required for a site to be eligible for placement on the National Priorities List (NPL). To be eligible for Superfund-financed remedial action, a site must be on the NPL. If the site is unlikely to become a candidate for the NPL, it receives a decision of no further remedial action planned, and the site's evaluation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) is complete.

## **2.0 SITE DESCRIPTION**

The Air Products & Chemicals site, which is about 112 acres in area, is located in St. Gabriel, Iberville Parish, Louisiana, and lies immediately east of the Mississippi River. Both hazardous and nonhazardous wastes were generated at the site. The wastes generated were either incinerated in the thermal oxidizer on site or sent off site for disposal. The site also had two surface impoundments (lagoons) and two open piles of chemically fixed biosludge (Refs. 1 and 2). The impoundments had a natural clay liner system and were surrounded by eight monitoring wells (Ref. 1). The only waste disposed of at this site was nonhazardous biosludge, which was pumped out of the west lagoon in August 1980 and stored immediately south of the lagoons in open piles (Ref. 1). The SI report of July 16, 1984, recommended that either (1) this area be covered and closed as a solid waste landfill, or (2) the wastes be removed and shipped off site to a commercial solid waste landfill. As of the writing of the SI report of July 16, 1984, all of the impoundments and open piles have been sampled and found to contain low levels of hazardous constituents. No additional information about the site was available after 1984.

## **3.0 PRELIMINARY HRS SCORING**

Based on the information available to PRC, the site received a PA score of 20. Groundwater was the most significant migration pathway, because it is the source of drinking water in that area. The air, soil, and surface water pathway scores were low because of a lack of targets. The groundwater migration pathway score is 39, because drinking water is supplied from a 230-foot-deep well that is located within the property boundaries. No information was available on the volume of the waste piles, which may significantly affect the waste characteristic score and, therefore, the overall score.

### **3.1 WASTE CHARACTERISTICS**

In 1984 the facility generated about (1) 240 tons of biosludge per year, (2) 1 ton of metals sludge per year, and (3) 150 to 200 tons of catalyst acids per year. About 1 ton of wastes was shipped off site for disposal each year (Ref. 1). The biosludge, containing hazardous constituents, was stored in two surface impoundments, each measuring 150,000 cubic feet. No information was available on the other types of wastes generated. According to the SI report (Ref. 1), wastes were also stored in drums, open piles, and aboveground tanks. However, no information was available concerning the number or size of these storage units. The waste quantities that were calculated resulted in a combined waste characteristic score of 32. The waste characteristics were based on the tier C (volume) for multiple sources at the site. The waste characteristic score was based only on the information available through 1984, because the present day operations of the facility were unknown.

### **3.2 MIGRATION AND EXPOSURE PATHWAYS**

The groundwater migration pathway received a score of 39. This score resulted from a drinking water supply located on site. A conservative assumption of 1,000 workers and students in a 1/4-mile radius of the site was made, that consume water from the on-site well. There were no observed releases to the environment. Population census data of 1980 (Ref. 3) were used to calculate the secondary target population at the site. It was assumed that all of the population, reported in the population census report, was served by wells that were located within the 4-mile target distance limit.

The surface water migration pathway received a score of 5. No releases were observed. The nearest receiving water body is the Mississippi River (Ref. 4). Surface water is not the source of drinking water, and therefore, no secondary population was identified for the drinking water threat. PRC assumed that (1) the Mississippi River supports secondary fisheries, and (2) the area surrounding the site is a secondary sensitive environment for the state preservation of biotic communities. These assumptions were made as part of a conservative approach in the scoring process.

The soil exposure pathway received a PA score of 10. The absence of a resident population within 200 feet of the source of contamination resulted in a low score for this pathway.

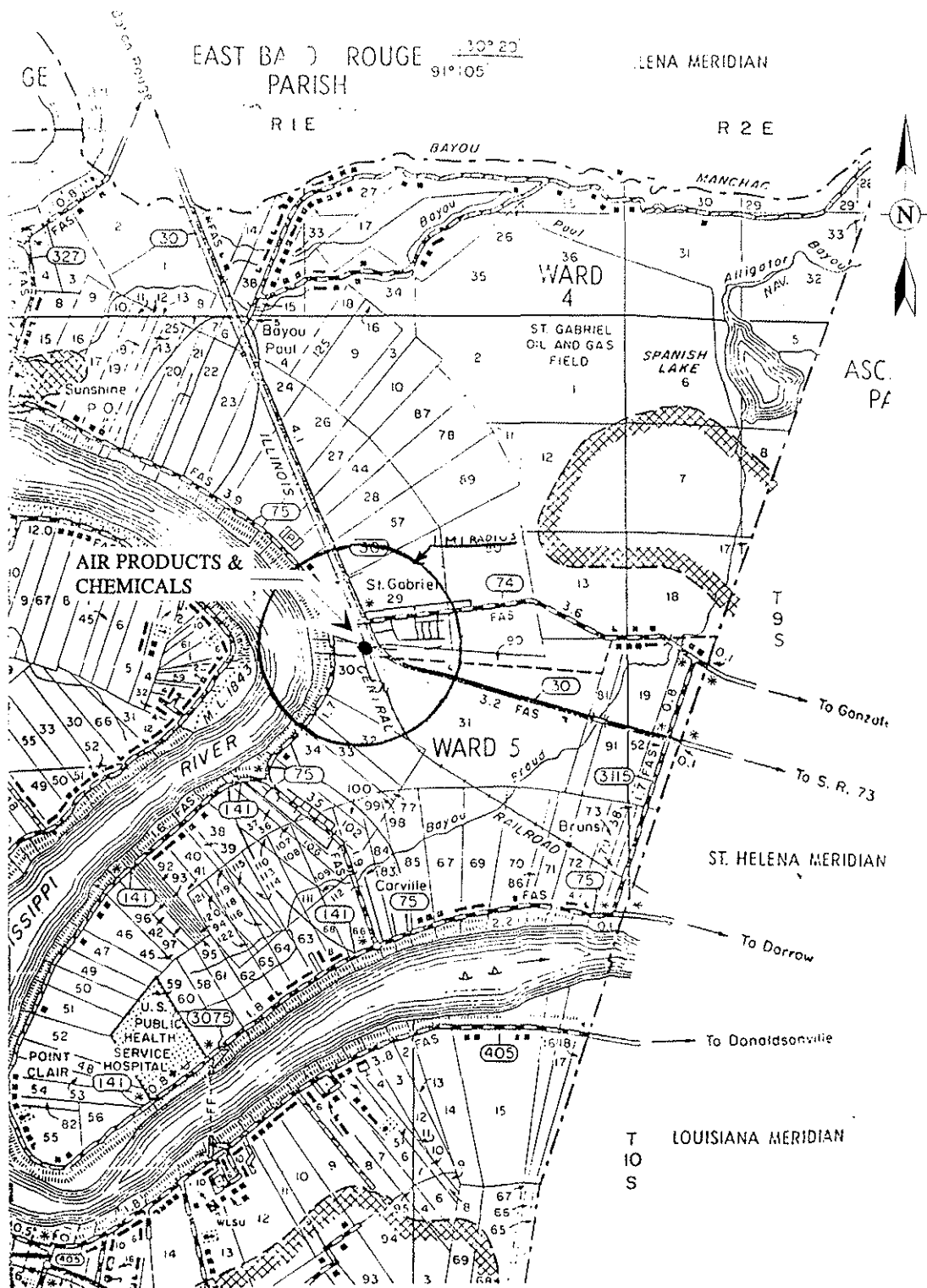
The air migration pathway received a PA score of 3. There have been no observed releases and, therefore, no primary target population was identified. Population data from the 1980 census report (Ref. 3) were used to identify the secondary target population.

## **4.0 SUMMARY**

The Air Products & Chemicals site is located in St. Gabriel, Iberville Parish, Louisiana. The site received a PA score of 20. This score indicates that the site is unlikely to score at or above 28.5 on the revised HRS with available information. Groundwater was the most significant migration pathway identified. The score was based solely on the information provided by EPA and information that PRC was able to obtain from soil surveys and a population census of the area. The ground water migration pathway received a score of 39, because of the presence of a drinking water well located on site. The site scored low, because (1) there have been no observed releases to the environment, (2) waste quantities were low and (3) target populations near the site were minimal.

**APPENDIX A**

L187700011



SOURCE: MODIFIED FROM EPA SITE INSPECTION REPORT,  
JULY 16, 1984

AIR PRODUCTS & CHEMICALS  
ST. GABRIEL, LOUISIANA  
LAD085551877

SITE LOCATION MAP

**PRC** Environmental Management, Inc.

**APPENDIX B**

L187700012

# PA-Score

## PA SCORESHEETS

Site Name: AIR PRODUCTS & CHEMICALS  
CERCLIS ID No.: LAD085551877  
Street Address: P.O. BOX 1  
City/State/Zip: St. GABRIEL, LA 70776

Investigator: Rajesh Badireddi  
Agency/Organization: PRC-EMI  
Street Address: 350 N. St. Paul, Ste. 2600  
City/State: Dallas, TX

Date: 09/26/94

**PA-Score 2.0 Scoresheets**  
**AIR PRODUCTS & CHEMICALS - 09/22/94**

**Page: 1**

OMB Approval Number: 2050-0095  
 Approved for Use Through: 4/95

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM				IDENTIFICATION	
				State: LA	CERCLIS Number: LAD085551877
				CERCLIS Discovery Date: 11-20-1979	
1. General Site Information					
Name: AIR PRODUCTS & CHEMICALS			Street Address: P.O. BOX 1		
City: St. GABRIEL	State: LA	Zip Code: 70776	County: IBERVILLE	Co. Code:	Cong. Dist:
Latitude:      Longitude: 30° 15' 5.0"    91° 5' 34.0"		Approx. Area of Site: 112 acres	Status of Site: Active		
2. Owner/Operator Information					
Owner:			Operator: M.C.LEE, PLANT MANAGER		
Street Address:			Street Address: P.O. BOX 1		
City:			City: St. GABRIEL		
State:	Zip Code:	Telephone:	State: LA	Zip Code: 70776	Telephone: (504) 642-3346
Type of Ownership: Private			How Initially Identified: Other BOB ECHKERDS REPORT		

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM		IDENTIFICATION	
		State: LA	CERCLIS Number: LAD085551877
		CERCLIS Discovery Date: 11-20-1979	
3. Site Evaluator Information			
Name of Evaluator: Rajesh Badireddi		Agency/Organization: PRC-EMI	
		Date Prepared: 09/30	
Street Address: 350 N. St. Paul, Ste. 2600		City: Dallas	State: TX
Name of EPA or State Agency Contact: JOHN JONES-EPA REGION VI		Telephone: (214) 665-6669	
Street Address: Ross Ave.		City: DALLAS	State: TX
4. Site Disposition (for EPA use only)			
Emergency Response/Removal Assessment Recommendation: No	CERCLIS Recommendation: NFRAP	Signature:	
Date:	Date:	Name:	
		Position:	

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: LA	CERCLIS Number: LAD085551877
	CERCLIS Discovery Date: 11-20-1979	

5. General Site Characteristics		
Predominant Land Uses Within 1 Mile of Site: Commercial	Site Setting:  Rural	Years of Operation: Beginning Year: 0  Ending Year: 0
Type of Site Operations: Manufacturing Other Manufacturing Other: Air Products & Chemicals	Waste Generated: Onsite	
	Waste Deposition Authorized By: Present Owner	
	Waste Accessible to the Public No	
	Distance to Nearest Dwelling, School, or Workplace: 0 Feet	

6. Waste Characteristics Information		
Source Type                      Quantity                      Tier Surface impoundment 3.00e+05 cu ft V	General Types of Waste: Acids/Bases Other: Biosludge / Metals sludge Metals sludge	
Tier Legend C = Constituent    W = Wastestream V = Volume        A = Area	Physical State of Waste as Deposited Sludge	

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM		IDENTIFICATION															
		State: LA	CERCLIS Number: LAD085551877														
		CERCLIS Discovery Date: 11-20-1979															
7. Ground Water Pathway																	
Is Ground Water Used for Drinking Water Within 4 Miles: No  Type of Ground Water Wells Within 4 Miles: Municipal	Is There a Suspected Release to Ground Water: No  Have Primary Target Drinking Water Wells Been Identified: No	List Secondary Target Population Served by Ground Water Withdrawn From:															
Depth to Shallowest Aquifer: 100 Feet  Karst Terrain/Aquifer Present: No	Nearest Designated Wellhead Protection Area: None within 4 Miles	<table> <tr> <td>0 - 1/4 Mile</td> <td>1000</td> </tr> <tr> <td>&gt;1/4 - 1/2 Mile</td> <td>0</td> </tr> <tr> <td>&gt;1/2 - 1 Mile</td> <td>4550</td> </tr> <tr> <td>&gt;1 - 2 Miles</td> <td>1037</td> </tr> <tr> <td>&gt;2 - 3 Miles</td> <td>493</td> </tr> <tr> <td>&gt;3 - 4 Miles</td> <td>2592</td> </tr> <tr> <td>Total</td> <td>9672</td> </tr> </table>		0 - 1/4 Mile	1000	>1/4 - 1/2 Mile	0	>1/2 - 1 Mile	4550	>1 - 2 Miles	1037	>2 - 3 Miles	493	>3 - 4 Miles	2592	Total	9672
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>2 - 3 Miles	493																
>3 - 4 Miles	2592																
Total	9672																

PA-Score 2.0 Scoresheets  
AIR PRODUCTS & CHEMICALS - 09/22/94

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POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: LA	CERCLIS Number: LAD085551877
	CERCLIS Discovery Date: 11-20-1979	

8. Surface Water Pathway		Part 1 of 4
Type of Surface Water Draining Site and 15 Miles Downstream: River	Shortest Overland Distance From Any Source to Surface Water:  0 Feet 0.0 Miles	
Is there a Suspected Release to Surface Water: No	Site is Located in: Annual - 10 yr floodplain	

8. Surface Water Pathway		Part 2 of 4
Drinking Water Intakes Along the Surface Water Migration Path: No		
Have Primary Target Drinking Water Intakes Been Identified: No		
Secondary Target Drinking Water Intakes: None		

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: LA	CERCLIS Number: LAD085551877
	CERCLIS Discovery Date: 11-20-1979	

8. Surface Water Pathway	Part 3 of 4
Fisheries Located Along the Surface Water Migration Path: Yes  Have Primary Target Fisheries Been Identified: No  Secondary Target Fisheries: Fishery Name                      Water Body Type/Flow(cfs) Mississippi River                large river/ >10000	

8. Surface Water Pathway	Part 4 of 4
Wetlands Located Along the Surface Water Migration Path? (y/n) No  Have Primary Target Wetlands Been Identified? (y/n) No  Secondary Target Wetlands: None	
Other Sensitive Environments Along the Surface Water Migration Path: Yes  Have Primary Target Sensitive Environments Been Identified: No  Secondary Target Sensitive Environments: Water Body/Flow(cfs)                      Sensitive Environment Type large river/ >10000                        Habitat for Federally designated endanger	

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POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: LA	CERCLIS Number: LAD085551877
	CERCLIS Discovery Date: 11-20-1979	

9. Soil Exposure Pathway

Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination: No	Number of Workers Onsite: 101 - 1000
--	--------------------------------------

Have Terrestrial Sensitive Environments Been Identified on or Within  
200 Feet of Areas of Known or Suspected Contamination: Yes

Terrestrial Sensitive Environments:

Small areas important for maintenance of biotic communities

10. Air Pathway

Total Population on or Within: Onsite 0 0 - 1/4 Mile 0 >1/4 - 1/2 Mile 0 >1/2 - 1 Mile 4550 >1 - 2 Miles 1037 >2 - 3 Miles 493 >3 - 4 Miles 2592 Total 8672	Is There a Suspected Release to Air: No  Wetlands Located Within 4 Miles of the Site: No  Other Sensitive Environments Located Within 4 Miles of the Site: No
---	---

Sensitive Environments Within 1/2 Mile of the Site:

None

WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1	Surface Impoundments	Surface impoundment	Ref: 1	WQ value	maximum
	Volume	3.00E+05 cu ft		4.44E+03	4.44E+03
	Lagoon dimensions = 100'x150'x10' = 150,000 cu. ft.				
	For two lagoons = 150,000 x 2 = 300,000 cu. ft.				
	Waste Quantity = 300,000/67.5 = 4,444.44				
	Ref: 1				

\*\* Only First WC Page Is Printed \*\*

Waste Characteristics Score: WC = 32

Ground Water Pathway Criteria List  
Suspected Release

Are sources poorly contained? (y/n/u)	N
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	N
Is waste quantity particularly large? (y/n/u)	U
Is precipitation heavy? (y/n/u)	U
Is the infiltration rate high? (y/n/u)	U
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? (y/n/u)	N
Is drinking water drawn from a shallow aquifer? (y/n/u)	N
Are suspected contaminants highly mobile in ground water? (y/n/u)	U
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	N

Other criteria? (y/n)      N

SUSPECTED RELEASE? (y/n)      N

Summarize the rationale for Suspected Release:

Surface Water Pathway Criteria List  
Primary Targets

Is any target nearby? (y/n/u)	If yes:	Y
N Drinking water intake		
Y Fishery		
U Sensitive environment		
Has any intake, fishery, or recreational area been closed? (y/n/u)		N
Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? (y/n/u)		N
Does any target warrant sampling? (y/n/u)	If yes:	N
N Drinking water intake		
N Fishery		
N Sensitive environment		

Other criteria? (y/n) N

PRIMARY INTAKE(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Intakes:

continued -----

continued -----

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Fisheries:

Other criteria? (y/n) N

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Sensitive Environments:

SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	Ref.
Distance to surface water (feet):			0	
Flood frequency (years):			1-10	
What is the downstream distance (miles) to:				
a. the nearest drinking water intake?			0.0	1
b. the nearest fishery?			0.5	
c. the nearest sensitive environment?			0.0	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		500		
LR =	0	500		

Drinking Water Threat Targets

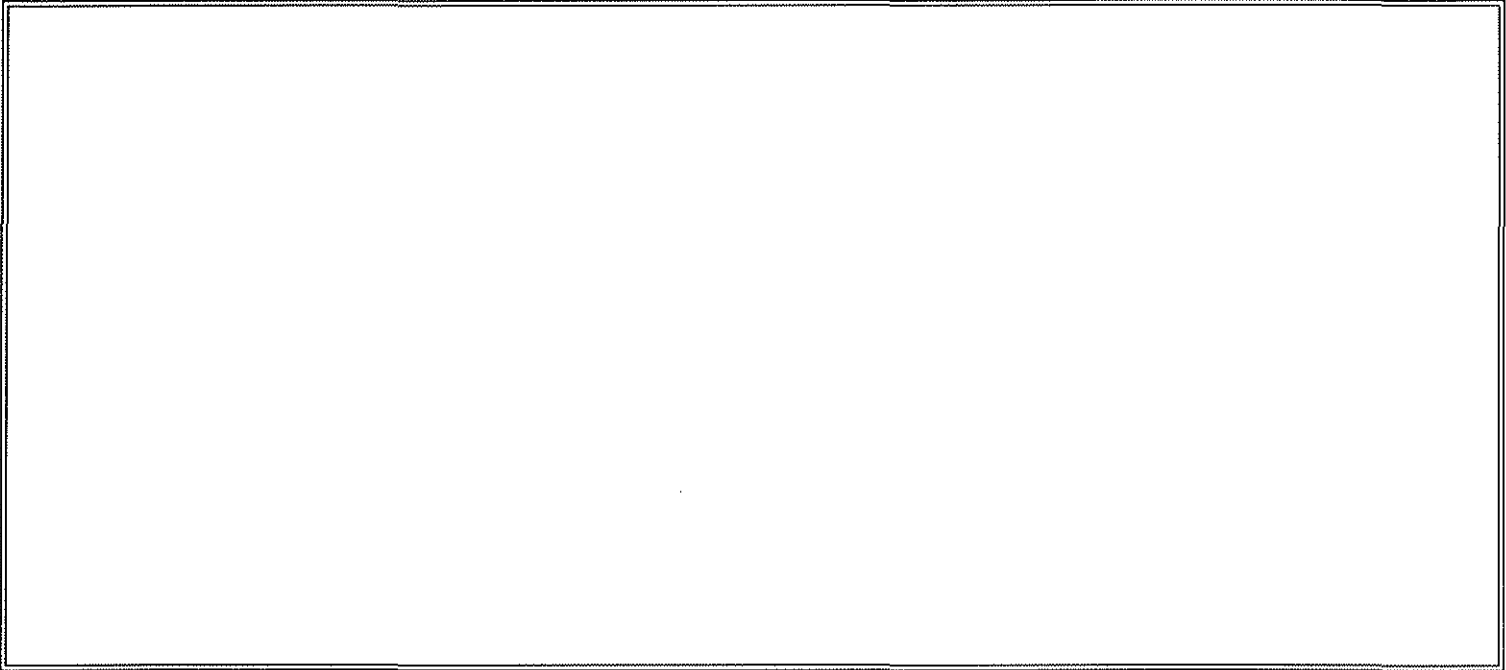
TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	5	
T =	0	5	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
None					
Total Primary Target Population Value					0
Total Secondary Target Population Value					0

\*\*\* Note : Maximum of 6 Intakes Are Printed \*\*\*

Apportionment Documentation for a Blended System



Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	12	
T =	0	12	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Mississippi River	N	>10000 cfs	1	12
Total Primary Fisheries Value				0
Total Secondary Fisheries Value				0

\*\*\* Note : Maximum of 6 Fisheries Are Printed \*\*\*

Environmental Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECONDARY SENSITIVE ENVIRONS.	0	10	
T =	0	10	

Environmental Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 Mississippi River	N	>10000 cfs		0
Total Primary Sensitive Environments Value				0
Total Secondary Sensitive Environments Value				0
*** Note: Maximum of 6 Sensitive Environments Are Printed ***				

Surface Water Pathway Threat Scores

Threat	Likelihood of Release(LR) Score	Targets(T) Score	Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC / 82,500
Drinking Water	500	5	32	1
Human Food Chain	500	12	32	2
Environmental	500	10	32	2

SURFACE WATER PATHWAY SCORE:

5

Soil Exposure Pathway Criteria List  
Resident Population

Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u)	U
Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? (y/n/u)	Y
Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? (y/n/u)	U
Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? (y/n/u)	N
Does any neighboring property warrant sampling? (y/n/u)	N

Other criteria? (y/n)      N

RESIDENT POPULATION IDENTIFIED? (y/n)      N

Summarize the rationale for Resident Population:

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SOIL EXPOSURE PATHWAY SCORESHEETS

Pathway Characteristics	Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n) No	
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination? (y/n) No	
Is the facility active? (y/n): Yes	

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	

Targets

2. RESIDENT POPULATION 0 resident(s) 0 school/daycare student(s)	0	
3. RESIDENT INDIVIDUAL	0	
4. WORKERS 101 - 1000	10	
5. TERRES. SENSITIVE ENVIRONMENTS	25	
6. RESOURCES	5	
T =	40	

WASTE CHARACTERISTICS

WC =

RESIDENT POPULATION THREAT SCORE:

NEARBY POPULATION THREAT SCORE:

Population Within 1 Mile: 1 - 10,000

SOIL EXPOSURE PATHWAY SCORE:

Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
1 Assumed-maintenance of biotic		25
Total Terrestrial Sensitive Environments Value		25

\*\*\* Note : Maximum of 7 Sensitive Environments Are Printed \*\*\*

Air Pathway Criteria List  
Suspected Release

Are odors currently reported? (y/n/u) N

Has release of a hazardous substance to the air  
been directly observed? (y/n/u) N

Are there reports of adverse health effects (e.g., headaches,  
nausea, dizziness) potentially resulting from migration  
of hazardous substances through the air? (y/n/u) N

Does analytical/circumstantial evidence suggest release to air? (y/n/u) N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

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AIR PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	Ref.
Distance to the nearest individual (feet):			0	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		500		
LR =	0	500		

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	11	
5. NEAREST INDIVIDUAL	0	1	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	0	
8. RESOURCES	0	5	
T =	0	17	

WASTE CHARACTERISTICS

WC =

0	32
---	----

AIR PATHWAY SCORE:

3
---

Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	0	3	0
Greater than 0 to 1/4 mile	0	3	0
Greater than 1/4 to 1/2 mile	0	3	0
Greater than 1/2 to 1 mile	4550	1	8
Greater than 1 to 2 miles	1037	3	1
Greater than 2 to 3 miles	493	3	1
Greater than 3 to 4 miles	2592	3	1
Total Secondary Population Value			11

Air Pathway Primary Sensitive Environments

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

\*\*\* Note : Maximum of 7 Sensitive Environments Are Printed\*\*\*

Air Pathway Secondary Sensitive Environments

Sensitive Environment Name	Distance	Reference	Value
None			
Total Secondary Sensitive Environments Value			

PA-Score 2.0 Scoresheets  
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SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	39
SURFACE WATER PATHWAY SCORE:	5
SOIL EXPOSURE PATHWAY SCORE:	10
AIR PATHWAY SCORE:	3
SITE SCORE:	20

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? Yes

If yes, identify the well(s).

Drinking water well located on site (SI report dated 07/16/84)

If yes, how many people are served by the threatened well(s)? 1000

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?

A. Drinking water intake

Yes

B. Fishery

No

C. Sensitive environment (wetland, critical habitat, others)

No

If yes, identity the target(s).

Well located on site.

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? No

If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

If yes, explain:

**APPENDIX C**

L187700013

## REFERENCES

1. The Earth Technology Corporation. 1984. Site Inspection Report for Air Products & Chemicals, Inc. July 16.
2. U.S. EPA. 1980. Site Inspection Report for Air Products & Chemicals, Inc. February 25.
3. U. S. EPA. 1994. Graphical Exposure Modeling System Database, compiled from 1980 U.S. Census Bureau data. Accessed August 1.
4. United States Department of Agriculture, Soil Conservation Service in cooperation with Louisiana Agricultural Experiment Station. 1977. "Soil Survey of Iberville Parish, Louisiana". General Soil Map. June.

#### REFERENCE 1

Ground Water Pathway Criteria List  
Primary Targets

Is any drinking water well nearby? (y/n/u)

Has any nearby drinking water well been closed? (y/n/u)

Has any nearby drinking water well user reported  
foul-testing or foul-smelling water? (y/n/u)

Does any nearby well have a large drawdown/high production rate? (y/n/u)

Is any drinking water well located between the site and other wells  
that are suspected to be exposed to a hazardous substance? (y/n/u)

Does analytical or circumstantial evidence suggest contamination  
at a drinking water well? (y/n/u)

Does any drinking water well warrant sampling? (y/n/u)

Other criteria? (y/n)

PRIMARY TARGET(S) IDENTIFIED? (y/n)

Summarize the rationale for Primary Targets:

PA-Score 2.0 Scoresheets  
AIR PRODUCTS & CHEMICALS - 09/22/94

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GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics

		Ref.
Do you suspect a release? (y/n)	No	
Is the site located in karst terrain? (y/n)	No	1
Depth to aquifer (feet):	100	1
Distance to the nearest drinking water well (feet):	0	1

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		340	
LR =	0	340	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) N	0	268	
5. NEAREST WELL	0	20	
6. WELLHEAD PROTECTION AREA None within 4 Miles	0	0	
7. RESOURCES	0	5	
T =	0	293	

WASTE CHARACTERISTICS

WC =	0	32
------	---	----

GROUND WATER PATHWAY SCORE:

39
----

PA-Score 2.0 Scoresheets  
AIR PRODUCTS & CHEMICALS - 09/22/94

Page: 5

Ground Water Target Populations

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
*** Note : Maximum of 5 Wells Are Printed ***				Total

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	1000	1	52
Greater than 1/4 to 1/2 mile	0	3	0
Greater than 1/2 to 1 mile	4550	1	167
Greater than 1 to 2 miles	1037	3	29
Greater than 2 to 3 miles	493	3	7
Greater than 3 to 4 miles	2592	3	13
Total			268

Apportionment Documentation for a Blended System

--

Surface Water Pathway Criteria List  
Suspected Release

Is surface water nearby? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	U
Is the drainage area large? (y/n/u)	U
Is rainfall heavy? (y/n/u)	U
Is the infiltration rate low? (y/n/u)	U
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	N
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	Y
Is vegetation stressed along the probable runoff path? (y/n/u)	U
Are sediments or water unnaturally discolored? (y/n/u)	U
Is wildlife unnaturally absent? (y/n/u)	U
Has deposition of waste into surface water been observed? (y/n/u)	U
Is ground water discharge to surface water likely? (y/n/u)	U
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)	N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:



**TENTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT**

REGION VI SITE NUMBER (to be assigned by HQ)  
LA01015

**GENERAL INSTRUCTIONS:** Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

**I. SITE IDENTIFICATION**

<b>A. SITE NAME</b> Air Products & Chemicals, Inc.		<b>B. STREET (or other identifier)</b> LA Hwy. 30	
<b>C. CITY</b> St. Gabriel	<b>D. STATE</b> LA	<b>E. ZIP CODE</b> 70776	<b>F. COUNTY NAME</b> Iberville
<b>G. SITE OPERATOR INFORMATION</b>		<b>2. TELEPHONE NUMBER</b>	
1. NAME M. C. Lee Plant Manager		(504) 642-3346	
<b>3. STREET</b> P.O. Box 1	<b>4. CITY</b> St. Gabriel	<b>5. STATE</b> LA	<b>6. ZIP CODE</b> 70776
<b>H. REALTY OWNER INFORMATION (if different from operator of site)</b>		<b>2. TELEPHONE NUMBER</b>	
1. NAME same as above			
<b>3. CITY</b>		<b>4. STATE</b>	<b>5. ZIP CODE</b>
<b>I. SITE DESCRIPTION</b> See Attachment A			
<b>J. TYPE OF OWNERSHIP</b>			
<input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE			

**II. TENTATIVE DISPOSITION (complete this section last)**

<b>A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, &amp; yr.)</b>	<b>B. APPARENT SERIOUSNESS OF PROBLEM</b>		
	<input type="checkbox"/> 1. HIGH	<input checked="" type="checkbox"/> 2. MEDIUM	<input type="checkbox"/> 3. LOW <input checked="" type="checkbox"/> 4. NONE
<b>C. PREPARER INFORMATION</b>			
1. NAME Thomas Myers Earth Technology Corporation	2. TELEPHONE NUMBER (201) 560-1650	3. DATE (mo., day, & yr.) 7/16/84	

**III. INSPECTION INFORMATION**

<b>A. PRINCIPAL INSPECTOR INFORMATION</b>		
1. NAME Bharat Patel	2. TITLE Hydrogeologist	
3. ORGANIZATION The Earth Technology Corporation	4. TELEPHONE NO. (area code & no.) (201) 560-1650	
<b>B. INSPECTION PARTICIPANTS</b>		
1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
Thomas Myers	The Earth Technology Corporation	(201) 560-1650
Albert Hebert	LADEQ Hazardous Waste Division	(504) 342-9073
<b>C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)</b>		
1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
Bob Martien	Safety, Health Coord. (504) 642-3346	P.O. Box 1 St. Gabriel, LA 70776
		Handwritten: 504 642 3346 877
SUPERFUND FILE		
SEP 13 1992		
REORGANIZED		

REVIEWED BY: GREGH

DATE: 10/22/84

## IV. SAMPLING INFORMATION (continued)

## C. PHOTOS

## 1. TYPE OF PHOTOS

☒ a. GROUND ☐ b. AERIAL

## 2. PHOTOS IN CUSTODY OF:

The Earth Technology Corporation

(To be submitted as an addendum)

## D. SITE MAPPED?

☒ YES. SPECIFY LOCATION OF MAPS: see Figure 1

## E. COORDINATES

## 1. LATITUDE (deg.-min.-sec.)

30°15'05" N

## 2. LONGITUDE (deg.-min.-sec.)

91°05'34"W

## V. SITE INFORMATION

## A. SITE STATUS

☒ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)☐ 2. INACTIVE (Those sites which no longer receive wastes.)☐ 3. OTHER (specify):  
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

## B. IS GENERATOR ON SITE?

☐ 1. NO ☒ 2. YES (specify generator's four-digit SIC Code): 2869

## C. AREA OF SITE (in acres)

112; 20 acres are developed

## D. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☒ 2. YES (specify): administration and process related building

## VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

<input checked="" type="checkbox"/> A. TRANSPORTER	<input checked="" type="checkbox"/> B. STORER	<input checked="" type="checkbox"/> C. TREATER	<input checked="" type="checkbox"/> D. DISPOSER
1. RAIL	1. PILE	1. FILTRATION	1. LANDFILL
2. SHIP	2. SURFACE IMPOUNDMENT	2. INCINERATION	2. LANDFARM
3. BARGE	3. DRUMS	3. VOLUME REDUCTION	3. OPEN DUMP
4. TRUCK	4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	4. SURFACE IMPOUNDMENT
5. PIPELINE	5. TANK, BELOW GROUND	5. CHEM./PHYS./TREATMENT	5. MIDNIGHT DUMPING
6. OTHER (specify):	6. OTHER (specify):	6. BIOLOGICAL TREATMENT	6. INCINERATION
		7. WASTE OIL REPROCESSING	7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	8. OTHER (specify):
		9. OTHER (specify):	

NOTE: 1 and 2 do not contain hazardous waste; 3 and 4 are used to store hazardous waste.

NOTE: Incinerate corrosive and ignitable waste

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

☐ 1. STORAGE ☐ 2. INCINERATION ☐ 3. LANDFILL ☒ 4. SURFACE IMPOUNDMENT ☐ 5. DEEP WELL

☐ 6. CHEM/BIO/PHYS TREATMENT ☐ 7. LANDFARM ☐ 8. OPEN DUMP ☐ 9. TRANSPORTER ☐ 10. RECYCLOR/RECLAIMER

## VII. WASTE RELATED INFORMATION

## A. WASTE TYPE

☒ 1. LIQUID ☒ 2. SOLID\* ☒ 3. SLUDGE\*\* ☐ 4. GAS

\*Non-hazardous solids and hazardous vaporizer tar

\*\* API separator sludge (hazardous) and bio-sludge (non-hazardous)

## B. WASTE CHARACTERISTICS

☒ 1. CORROSIVE ☒ 2. IGNITABLE ☐ 3. RADIOACTIVE ☐ 4. HIGHLY VOLATILE

☒ 5. TOXIC ☐ 6. REACTIVE ☐ 7. INERT ☒ 8. FLAMMABLE

NOTE: 1,2 disposed in incinerator; 5 disposed off-site.

☐ 9. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Yes, manifest of amounts incinerated and transported off-site for disposal.

## VIII. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE☐ C. WORKER INJURY/EXPOSURE☐ D. CONTAMINATION OF WATER SUPPLY☐ E. CONTAMINATION OF FOOD CHAIN☐ F. CONTAMINATION OF GROUND WATER☐ G. CONTAMINATION OF SURFACE WATER

## VIII. HAZARD DESCRIPTION (continue)

☐ N. FIRE OR EXPLOSION☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID☐ P. SEWER, STORM DRAIN PROBLEMS☐ Q. EROSION PROBLEMS☐ R. INADEQUATE SECURITY☐ S. INCOMPATIBLE WASTES

Continued From Page 8

**X. WATER AND HYDROLOGICAL DATA (continued)****H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE**

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COM- MUNITY (mark 'X')	5. COMMUN- ITY (mark 'X')
Drinking/ Supply	230' (screened at 145 to 205')	Within property boundaries	X	

**I. RECEIVING WATER**

1. NAME

Mississippi River

☐ 2. SEWERS☒ 3. STREAMS/RIVERS☐ 4. LAKES/RESERVOIRS☐ 5. OTHER (specify):**6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS**

Secondary contact recreation and propagation of fish and wild life.

**XI. SOIL AND VEGETATION DATA**

LOCATION OF SITE IS IN: N/A

☐ A. KNOWN FAULT ZONE☐ B. KARST ZONE☐ C. 100 YEAR FLOOD PLAIN☐ D. WETLAND☐ E. A REGULATED FLOODWAY☐ F. CRITICAL HABITAT☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER**XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED**

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK (specify below)	'X'	C. OTHER (specify below)
	1. SAND				
X	2. CLAY				
	3. GRAVEL				

**XIII. SOIL PERMEABILITY**☐ A. UNKNOWN☐ B. VERY HIGH (100,000 to 1000 cm/sec.)☐ C. HIGH (1000 to 10 cm/sec.)☐ D. MODERATE (10 to .1 cm/sec.)☐ E. LOW (.1 to .001 cm/sec.)☒ F. VERY LOW (.001 to .00001 cm/sec.)**G. RECHARGE AREA**☐ 1. YES☒ 2. NO

3. COMMENTS:

**H. DISCHARGE AREA**☐ 1. YES☒ 2. NO

3. COMMENTS:

**I. SLOPE**

1. ESTIMATE % OF SLOPE

0-1

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.

East (away from river)

**J. OTHER GEOLOGICAL DATA**

The Pleistocene alluvium consists of an approximately 100-foot thick clay formation with silt lenses. The average vertical permeability of the topsoil/clay on the site is  $1.4 \times 10^{-6}$  to  $6.4 \times 10^{-8}$  cm/sec. The uppermost aquifer "Plaquemine-" or "Gonzales-" Aquifer is located at a depth of about 100 feet and consists of fine to coarse sand and gravel. A portion of the aquifer is saltwater-bearing. In this area, the freshwater/saltwater

**SURFACE IMPONDMENTS SITE INSPECTION REPORT**  
(Supplemental Report)

**INSTRUCTION**  
Answer and Explain  
as Necessary.

**1. TYPE OF IMPOUNDMENT**

Earthen impoundment containing non-hazardous bio-sludge; impoundment consists of an east lagoon and a west lagoon.

**2. STABILITY/CONDITION OF EMBANKMENTS**

Good.

**3. EVIDENCE OF SITE INSTABILITY (Erosion, Settling, Sink Holes, etc.)**

☐ YES ☒ NO

**4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE**

☐ YES ☒ NO

**5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT**

☒ YES ☐ NO

**6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT**

☒ YES ☐ NO

**7. IMPOUNDMENT HAS LINER SYSTEM**

☒ YES ☐ NO Natural clay.

**7a. INTEGRITY OF LINER SYSTEM CHECKED**

☐ YES ☐ NO N/A

**7b. FINDINGS**

N/A

**8. SOIL STRUCTURE AND SUBSTRUCTURE**

Clay soil with a permeability ranging from  $1.4 \times 10^{-6}$  to  $6.4 \times 10^{-8}$  cm/sec.

**9. MONITORING WELLS (See attachment)**

☒ YES ☐ NO

**10. LENGTH, WIDTH, AND DEPTH**

LENGTH 100' WIDTH 150' DEPTH 10'

**11. CALCULATED VOLUMETRIC CAPACITY**

150,000 cubic feet (total)

**12. PERCENT OF CAPACITY REMAINING**

East lagoon - <10%; West lagoon - 30%

**13. ESTIMATE FREEBOARD**

East lagoon - 41%; West lagoon - 3 feet.

**14. SOLIDS DEPOSITION**

☒ YES ☐ NO

Approximately 10% solid content in East lagoon (which is at its capacity);  
Approximately 1-2% solids in West lagoon.

**15. DREDGING DISPOSAL METHOD**

The sludge from the West lagoon was pumped in August 1980 and was stored as a (See Attach.

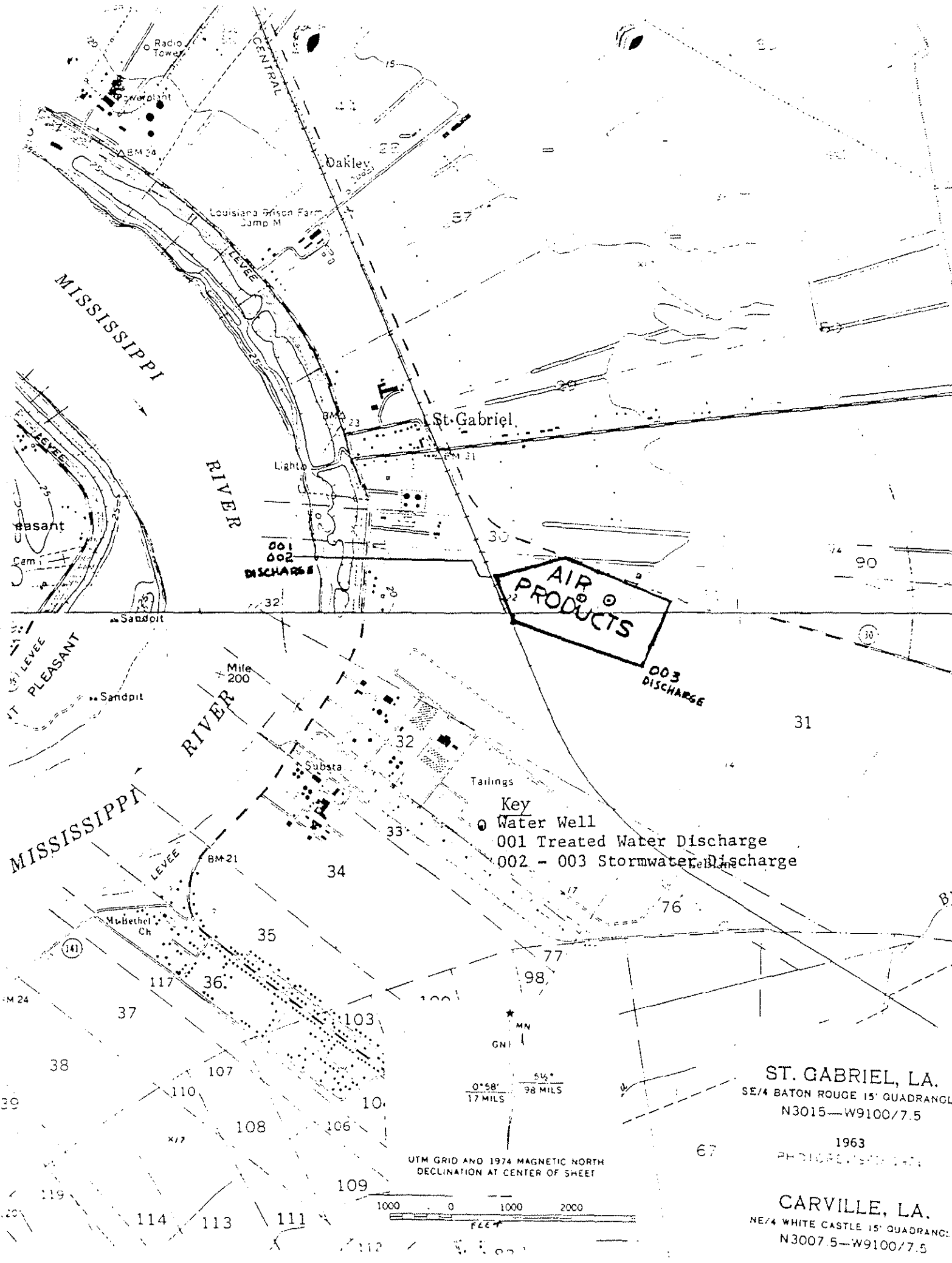
**16. OTHER EQUIPMENT**

ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT SUPPLEMENT SHEET

INSTRUCTION - This sheet is provided to give additional information in explanation of a question on the Form T2070-2.

Corresponding Number on Form	Additional Remark and/or Explanation
XIII, J.	contact is located at a depth of approximately 200 feet. The yield of the drinking/supply water well (screened between 145 to 205 feet) on site is 700 GPM.
9.	<p data-bbox="406 730 1092 758"><u>Surface Impoundments Site Inspection Report</u></p> <p data-bbox="436 793 1572 1079">Eight ground-water monitoring wells are located surrounding the impoundments. The wells are shallow in depth (12 to 18 feet deep), with the exception of wells MW-7 and MW-8, which are 70 feet deep (see map for locations). Water samples are collected semi-annually, and are analyzed for the parameters specified by DEQ. The first set of samples were collected in April 1984. The analytical results do not indicate significant levels of indicator parameters with the exception of high specific conductance (1200 to 4500 micro-mhos/sec) and TDS (740 to 5200 mg/l).</p>
15.	chemically fixed "open pile" just south of the impoundment. According to the site representative, each lagoon requires dredging after 8 years of operation.



AIR  
PRODUCTS

003  
DISCHARGE

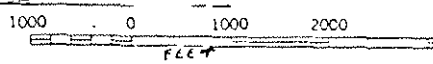
Key  
○ Water Well  
001 Treated Water Discharge  
002 - 003 Stormwater Discharge

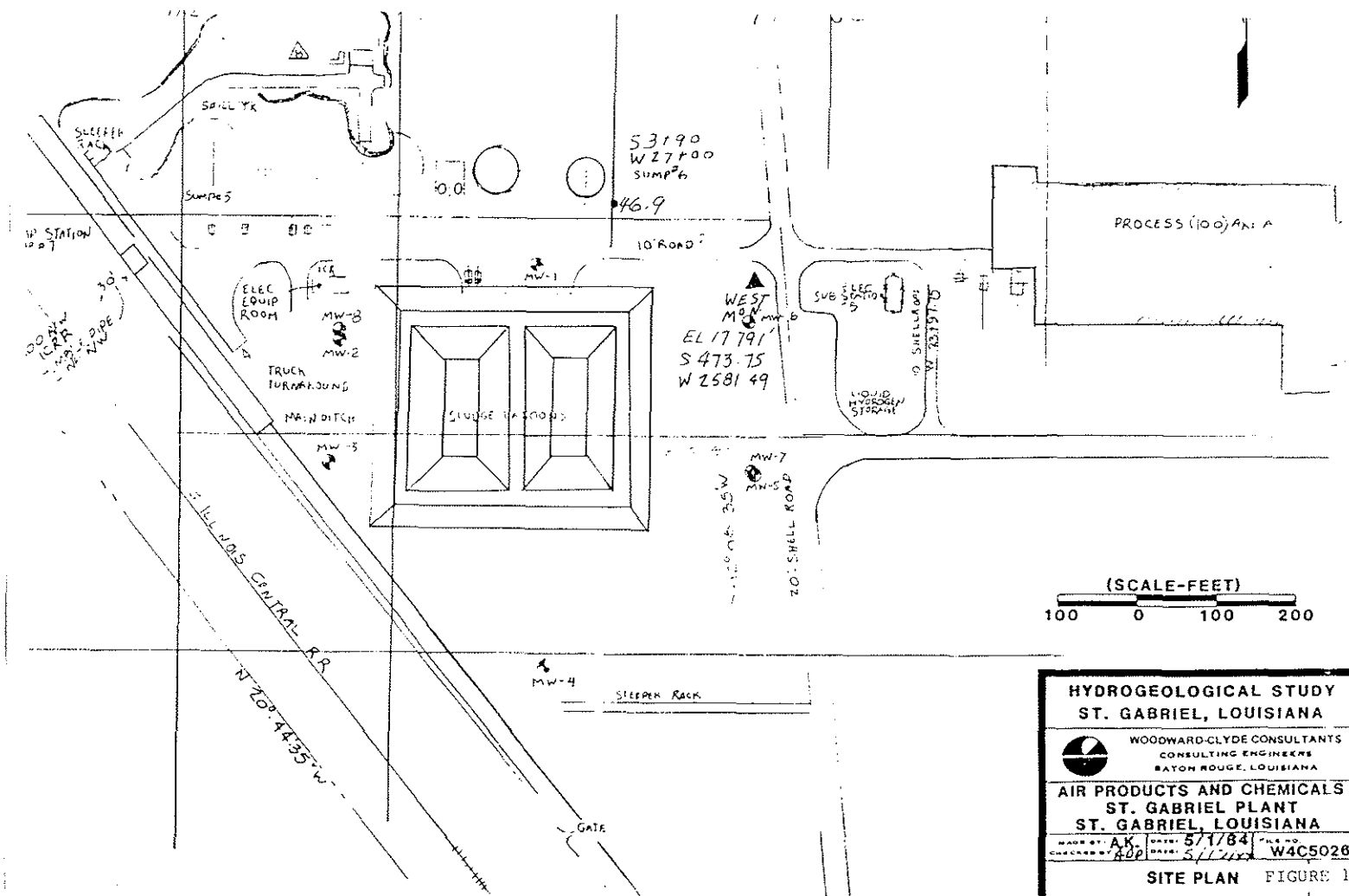
ST. GABRIEL, LA.  
SE/4 BATON ROUGE 15' QUADRANGLE  
N3015-W9100/7.5

1963  
PHOTOGRAPHIC

CARVILLE, LA.  
NE/4 WHITE CASTLE 15' QUADRANGLE  
N3007.5-W9100/7.5

UTM GRID AND 1974 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET





(SCALE-FEET)

100 0 100 200

# HYDROGEOLOGICAL STUDY ST. GABRIEL, LOUISIANA



WOODWARD-CLYDE CONSULTANTS  
CONSULTING ENGINEERS  
BATON ROUGE, LOUISIANA

AIR PRODUCTS AND CHEMICALS  
ST. GABRIEL PLANT  
ST. GABRIEL, LOUISIANA

MADE BY: AK. DATE: 5/1/84. W4C5028  
CHECKED BY: ROP. DATE: 5/1/84.

SITE PLAN FIGURE 11



Kemron Environmental Services

Sample Source West Sludge Lagoon (total)Report Date 07/23/80Collected by Air ProductsDate Collected 06/05/80For Air ProductsDate Received 07/09/80Post Office Box 1Date(s) Analyzed See BelowSt. Gabriel, Louisiana 70776Data Number 070980-15Mr. Bob Martien

Purchase Order Number \_\_\_\_\_

## Results of Analysis

<u>Parameter</u>	<u>Results</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Arsenic (mg/kg As)	4.6	07/16/JL	1400hrs.
Barium (mg/kg Ba)	317	07/18/JL	1050hrs.
Cadmium (mg/kg Cd)	4.7	07/17/JL	0830hrs.
Chromium (mg/kg Cr)	518	07/14/JL	0900hrs.
Lead (mg/kg Pb)	50	07/18/JL	0830hrs.
Mercury (mg/kg Hg)	<0.003	07/15/JL	0830hrs.
Selenium (mg/kg Se)	<0.2	07/16/JL	1030hrs.
Silver (mg/kg Ag)	0.64	07/16/JL	1600hrs.
Zinc (mg/kg Zn)	1,360	07/18/JL	1000hrs.
Nickel (mg/kg Ni)	1,640	07/18/JL	1100hrs.
Cobalt (mg/kg Co)	18	07/18/JL	1030hrs.

dr

Analysis Number 80-149-01M. Rao Arimilli

Official Methods Used In This Analysis

M. Rao Arimilli  
Laboratory Supervisor

Dorg Warner Corporation

Administrative Office: Marietta, Ohio 235 Second Street 614-374 2222 Zip 45750

## Laboratory Locations:

☐ BATON ROUGE, LOUISIANA  
16550 Highland Road  
(504) 293 6650 Zip 70808☐ CHICAGO, ILLINOIS  
3570 North Avondale Avenue  
(312) 588 6500 Zip 60618☐ FARMINGTON HILLS, MICHIGAN  
22740 Northwestern Highway  
(313) 626-2426 Zip 48018☐ MARIETTA, OHIO  
235 Second Street  
(514) 374 2222 Zip 45750☐ PORT NECHES, TEXAS  
1216 Port Neches Avenue  
(713) 727 1601 Zip 77651



Kemron Environmental Services

Sample Source West Sludge Lagoon (Leachate) Report Date 07/23/80  
Collected by Air Products Date Collected 06/05/80  
For Air Products Date Received 07/09/80  
Post Office Box 1 Date(s) Analyzed See Below  
St. Gabriel, Louisiana 70776 Data Number 070980-15  
Mr. Bob Martien Purchase Order Number \_\_\_\_\_

### Results of Analysis

<u>Parameter</u>	<u>Results</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Arsenic (mg/L As)	0.016	07/16/JL	1400hrs.
Barium (mg/L Ba)	<0.10	07/18/JL	1050hrs.
Cadmium (mg/L Cd)	<0.001	07/17/JL	0830hrs.
Chromium (mg/L Cr)	<0.02	07/14/JL	1500hrs.
Lead (mg/L Pb)	<0.1	07/15/JL	1500hrs.
Mercury (mg/L Hg)	0.0004	07/15/JL	0830hrs.
Selenium (mg/L Se)	<0.003	07/16/JL	1030hrs.
Silver (mg/L Ag)	<0.003	07/16/JL	1500hrs.
Zinc (mg/L Zn)	0.31	07/14/JL	1400hrs.
Nickel (mg/L Ni)	0.73	07/18/JL	1100hrs.
Cobalt (mg/L Co)	<0.05	07/15/JL	1500hrs.

100.15 grams taken for Leachate test.

Analysis Number 80-149-01

Official Methods Used In This Analysis

*M. Rao Arinilli*  
M. Rao Arinilli  
Laboratory Supervisor

Borg Warner Corporation

Administrative Office: Marietta, Ohio 235 Second Street 614/374-2222 Zip 45750

Laboratory Locations:

☐ BATON ROUGE, LOUISIANA  
16550 Highland Road  
504/293-8650 Zip 70808

☐ CHICAGO, ILLINOIS  
3570 North Avondale Avenue  
312/588-8500 Zip 60618

☐ FARMINGTON HILLS, MICHIGAN  
32740 Northwestern Highway  
313/626-2426 Zip 48018

☐ MARIETTA, OHIO  
235 Second Street  
614/374-2222 Zip 45750

☐ PORT NECHES, TEXAS  
1216 Port Neches Avenue  
713/727-1661 Zip 77651

TABLE 6  
MONITOR WELL ANALYTICAL DATA (GROUND WATER QUALITY)

<u>WELL #</u>	<u>pH</u>	<u>SPEC. COND.</u>	<u>TDS</u>	<u>TOC</u>	<u>CHROMIUM</u>	<u>NICKEL</u>	<u>ZINC</u>	<u>TKN</u>
1	6.8	1800	1000	50	0.01	0.04	0.031	< 1.0
2	6.9	1300	740	30	< 0.01	< 0.03	0.028	< 1.0
3	6.9	1700	1100	50	0.01	0.04	0.019	< 1.0
4	6.9	1850	1200	30	< 0.01	< 0.03	0.022	< 1.0
5	6.5	1200	810	5	< 0.01	0.04	0.018	< 1.0
6	7.0	1200	5200	100	0.01	< 0.03	0.037	< 1.0
7	6.7	4400	2400	< 1	< 0.01	0.05	0.015	10.4
8	6.7	4500	2400	20	< 0.01	0.04	0.015	9.8

NOTES:

1. All samples collected by Woodward Clyde Consultants and analyzed by West Paine Laboratories, Inc. Wells were sampled in period April 2 - 9, 1984.
2. pH in standard units, specific conductance in micromhoes/cm. Total dissolved solids (TDS), total organic carbon (TOC) total Kjeldahl nitrogen (TKN) and metals are in mg/l.



Sample Source See Below  
Collected by Client  
For Air Products Company  
Post Office Box 1  
St. Gabriel, Louisiana 70776  
ATTN: Bob Martien

Report Date 03/02/84  
Date Collected 02/14/84  
Date Received 02/14/84  
Date(s) Analyzed See Below  
Data Number 021484-6  
Purchase Order Number G4-24494

### Results of Analysis

Parameter *	Sample Identification			Date/Time Analyst
	East Lagoon TOTAL (mg/kg)	Sludge EPT LEACHATE (mg/l)	East Lagoon SUPERNATE (mg/l)	
Nickel	158	0.26	0.30	02/17/1200/CNR
Chromium	19.6	<0.05	<0.05	02/20/0900/CNR
Arsenic	12.2	0.004	0.049	02/23/1600/CNR
Barium	68	<0.1	<0.1	02/20/1330/CNR
Cadmium	0.07	<0.005	<0.005	02/20/1030/CNR
Lead	5.6	<0.05	<0.05	02/20/1130/CNR
Mercury	0.053	0.0092	0.0005	02/20/1500/CNR
Selenium	<0.02	<0.002	<0.002	02/23/0900/CNR
Silver	0.11	<0.005	<0.005	02/20/1200/CNR
Zinc	81	0.024	0.10	02/20/1100/CNR
Cobalt	10.3	<0.05	<0.05	02/20/1300/CNR
Total Organic Carbon (mg/kg C)	9,610	---	62	02/15/1200/CNR
Total Kjeldahl Nitrogen (mg/kg N)	200	---	11.6	02/17/1000/LB
pH (pH Unit)	8.5**	---	9.5	02/14/1500/JR
Total Dissolved Solids	---	---	829	02/16/1500/CM
Specific Conductivity (umhos/cm)	---	---	1,250	02/21/1300/CNR

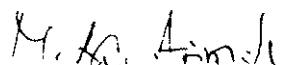
\* Samples were preserved and analyzed as per approved EPA reference method cited in the following page.

\*\* pH on total taken as (5 g/100 ml)

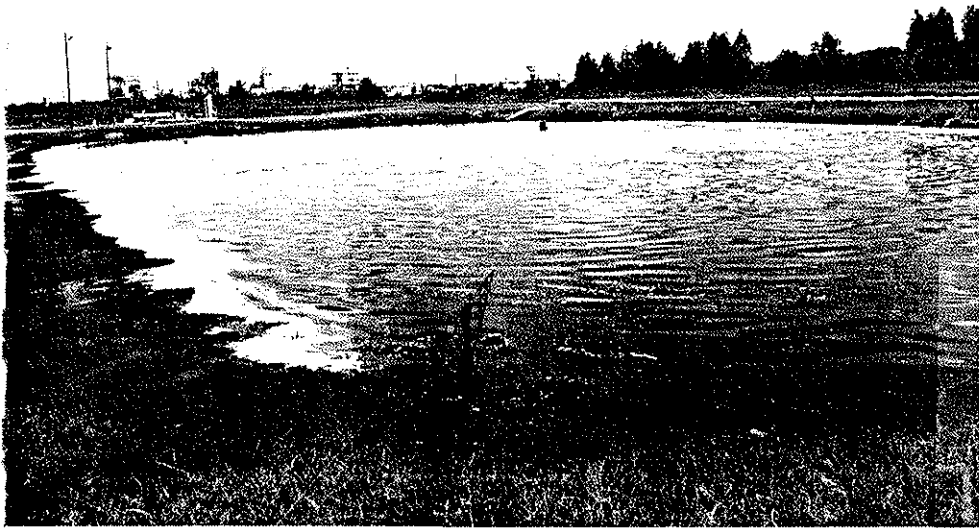
ms

Analysis Number 84-10112-01

Official Methods Used In This Analysis

  
M. Rao Arimilli  
Chief Chemist

ographer / Witness



/ Time / Direction

nts:

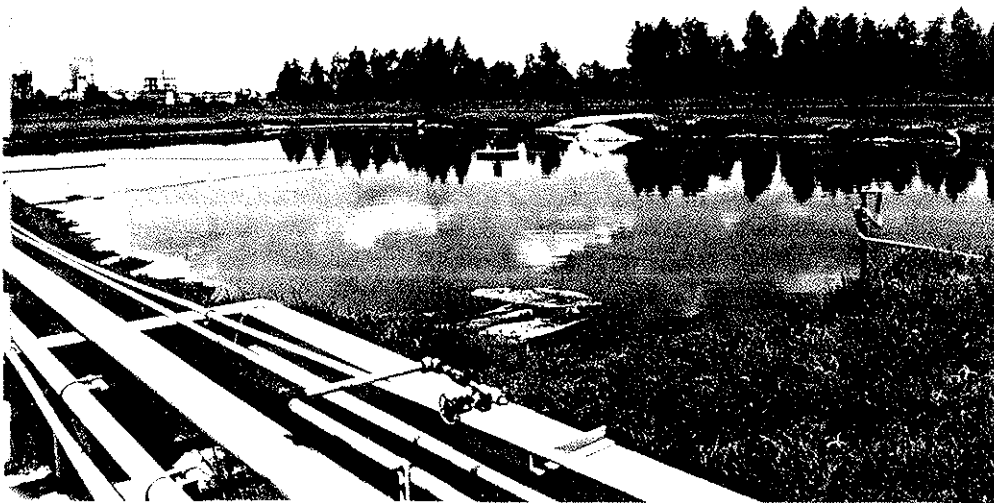
ographer / Witness



/ Time / Direction

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ographer / Witness



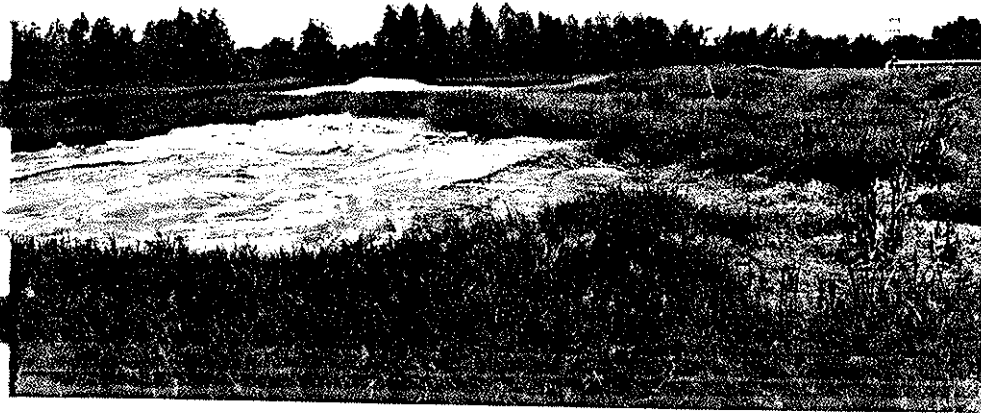
/ Time / Direction

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Photographer / Witness

/ Time / Direction

Notes:



Photographer / Witness

/ Time / Direction

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Photographer / Witness

/ Time / Direction

Notes:



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR. 02 1982

T. W. Normoyle  
 Environmental Engineer  
 Air Products & Chemicals, Inc.  
 Box 538  
 Allentown, Pennsylvania 18105

Dear Mr. Normoyle:

Your letter of February 18, 1982 requested a copy of the inspection report resulting from the February 18, 1982 inspection of your facility by Ecology and Environment, Inc. (E&E). As soon as we receive the inspection report, we will promptly send a copy to you.

If you have any questions on this matter, please contact me at 214/767-3274.

Sincerely,

*LDW for*

Samuel L. Nott, Chief  
 Enforcement Section, 6AW-SE

*Lead 285 551877  
 Mr. Prod. & Chemicals Inc.*

*Wm. B. Hathaway*  
 bcc: Hazsit File: EA01015  
 Control #6AW-S-65

*hm*  
 6AW-SE:Newman:hn:03-01-82

SUPERFUND  
 FILE

SEP 13 1992

REORGANIZED

## CONCURRENCES

SYMBOL								
SURNAME								
DATE								

FROM T. W. Nemoye, Air Products & Chemicals, Box 538, Allentown, PA 18106			CONTROL NO. 6AW-S-65
SUBJECT AND DATE RE: RCRA Inspection, Air Products and Chemicals, Inc. Lottie, LA Facility.  LA 51915 Rec'd			DATE REC'D  2/23/82
			DUE DATE  3/16/82
REFERRED (1) NOTT 6AW-SE	(2) Nemoye	(3) SUPERFUND FILE	(4)
DATE 2/23/82	2/23	SEP 18 1992	
REPLY SENT TO PEORGANIZER			DATE RELEASED 3-2-82
REMARKS bcc: William B. Hathaway with a copy of this control slip.  LAR 085551877 AIR PROD. & CHEM. INC.			ACKNOWLEDGED - DATE  <input type="checkbox"/>
			NO ANSWER NEEDED  <input type="checkbox"/> (Explain in remarks)

EPA Form 5180-1 (6-72)  
REPLACES FWPCA FORM 72 AND  
HEW-73 WHICH MAY NOT BE USED.

(Remove this copy only, do not separate remainder.)

MAIL CONTROL SCHEDULE



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

1201 ELM STREET

DALLAS, TEXAS 75270

February 1, 1992

Mr. Carl J. Land  
Air Products and Chemicals, Inc.  
P.O. Box 117  
Lottis LA 70765

*Bonnie  
File*

RE: Request to Inspect Air Products and Chemicals, Inc.

Dear Mr. Land

*AD & YS 55/8/1*

This is to inform you that Ecology and Environment, Incorporated, (EEI), is a duly authorized consultant for the U.S. Environmental Protection Agency. Representatives from EEI may, upon presentation of a Letter of Introduction, enter any facility where hazardous materials are generated, stored, treated, disposed of, or transported to determine compliance with standards, regulations, and permits issued pursuant to the Resource Conservation and Recovery Act (RCRA) and Section 311 of the Clean Water Act (CWA).

Specifically, this inspection is to determine if an "imminent and substantial endangerment to health or the environment" exists as described by Section 7003 of RCRA. Please be aware this inspection will not include a determination of compliance with RCRA Interim Status Standards. Authority to conduct this inspection is contained in Section 3007 of RCRA and Section 308 of the CWA.

An inspection may include a review of records, taking photographs, and collecting samples. Representatives of EEI are authorized to collect information which is considered confidential. Any such information must be specified as confidential at the time of the inspection so that appropriate protective measures may be taken.

Mr. K. Malone, EEI, Field Inspection Team Leader, or a member of his staff, will contact you to arrange an inspection date.

A copy of the inspection report and any analytical data for your facility may be obtained by writing to Sam Nott (6AW-SE), EPA Region 6, 1201 Elm Street, Dallas, Texas 75270.

If you have any questions concerning this matter, please contact me or Karen Solari of my staff at (214) 767-2724.

Sincerely,

*SUPERFUND  
FILE*

*DP*  
Dave Peters  
Deputy Project Officer (6SA-E)

*SEP 13 1992*

cc: Mr. Gerald L. Gandy, Administrator  
Hazardous Waste Division  
U.S. Dept. of Natural Resources  
P.O. Box 5399  
Allentown PA 18105

Mr. Thomas Normoyl  
Air Products & Chemicals, Inc.  
P.O. Box 538  
Allentown, PA 18105

bcc: Sam Nott (6AW-SE)  
K. Malone (FITL)

6ES-SH:KSOLARI:kfh:x2724:2/3/82

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: 4 March 1980

SUBJECT: Hazardous Waste Site Inspection Report

FROM: Charles Gazda (6ASASC) *CG*

TO: Bruce Elliott (6AEG)

Transmitted herewith is a report on:

- 1. Air Products and Chemicals Inc, St Gabriel, LA (2-12-80) *LA-101*  
2. EXXON USA, Baton Rouge, LA (1-23-80 & 2-14-80) *LA-35*

SUPERFUND  
FILE

SEP 13 1992

REORGANIZE

*LAD & 85-557877*

RECEIVED

MAR 05 1980

6AEG

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

6608 Hornwood Drive

Houston, Texas 77074

SUBJECT: Transmittal Memo - Compliance Monitoring Report(s)

DATE: 2/25/80

FROM: VICTOR H. GARCIA, Inspector  
Houston Branch, 6ASAHF

TO: Director, S&amp;A Division, 6ASA

THRU: Chief, Field Operations Section, Houston Branch, 6ASAHF *908-2/25/80*THRU: Chief, Houston Branch, 6ASAH *trial*A compliance Monitoring inspection was conducted on 2/12/80  
at the following location: (Dates)NAME: AIR PRODUCTS AND CHEMICALS, INC.ADDRESS: PO BOX 1, ST. GABRIEL, LA 70776NPDES Permit #: \_\_\_\_\_ AQCR: 106Type of Facility: Federal ☐ Municipal ☐ Non-Municipal ☒

Compliance Monitoring Reports Attached: (Check appropriate space)

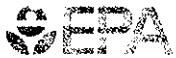
	<u>Water</u>	<u>Air</u>	<u>O&amp;M</u>	<u>SPCC</u>	<u>TSCA</u>	<u>RCRA</u>
NPDES	<input type="checkbox"/>	SIP <input type="checkbox"/>	Form 7500-5 <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Form 3560-3	<input type="checkbox"/>	NSPS <input type="checkbox"/>				
Major	<input type="checkbox"/>	NSR <input type="checkbox"/>				
Minor	<input type="checkbox"/>	PSD <input type="checkbox"/>				
NOD	<input type="checkbox"/>	NESHAP <input type="checkbox"/>				
CEI	<input type="checkbox"/>	Demo. <input type="checkbox"/>				
CSI	<input type="checkbox"/>					
129 PP	<input type="checkbox"/>					
Bioassay	<input type="checkbox"/>					
Salmonella	<input type="checkbox"/>					
PCB	<input type="checkbox"/>					

Comments: LD 085557/877SUPERSEDED  
FILE

SEP 28 1992

REORGANIZED

## REFERENCE 2



REGIONAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT

REGION 6 SITE NUMBER (to be assigned by HQ) LA01015

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency, Site Tracking System, Hazardous Waste Enforcement Task Force (EN-335), 401 M St., SW, Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME <b>AIR PRODUCTS AND CHEMICALS, INC.</b>		B. STREET (or other identifier) <b>P.O. BOX 1</b>	
C. CITY <b>SAINT GABRIEL</b>	D. STATE <b>LA</b>	E. ZIP CODE <b>70776</b>	F. COUNTY NAME <b>ASCENSION</b>
G. SITE OPERATOR INFORMATION		H. TELEPHONE NUMBER	
1. NAME <b>DAVID RATCLIFF - PLANT ENGINEER</b> <b>MILLARD J. BONIN - SENIOR PROCESS ENGINEER</b>		2. <b>(504) 642-3346</b>	
I. STREET <b>P.O. BOX 1</b>	J. CITY <b>SAINT GABRIEL</b>	K. STATE <b>LA</b>	L. ZIP CODE <b>70776</b>
M. REALTY OWNER INFORMATION (if different from operator of site)		N. TELEPHONE NUMBER	
1. NAME <b>AIR PRODUCTS AND CHEMICALS, INC.</b>		2. <b>(504) 642-3346</b>	
O. CITY <b>SAINT GABRIEL</b>	P. STATE <b>LA</b>	Q. ZIP CODE <b>70776</b>	

R. SITE DESCRIPTION  
**TWO AERATED BIOLOGICAL PONDS (@ 60'x120')**

S. TYPE OF OWNERSHIP

<input type="checkbox"/> 1. FEDERAL	<input type="checkbox"/> 2. STATE	<input type="checkbox"/> 3. COUNTY	<input type="checkbox"/> 4. MUNICIPAL	<input checked="" type="checkbox"/> 5. PRIVATE
-------------------------------------	-----------------------------------	------------------------------------	---------------------------------------	--

**\* AIR 085 531877**

II. TENTATIVE DISPOSITION (complete this section if S?)

T. ESTIMATE DATE OF TENTATIVE DISPOSITION (month, day, & year)	U. APPARENT SERIOUSNESS OF PROBLEM	
	<input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input checked="" type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE	
V. PREPARER INFORMATION		
1. NAME <b>Victor H. Garcia</b> <b>VICTOR H. GARCIA</b>	2. TELEPHONE NUMBER <b>(713) 226-5761</b>	3. DATE (mo., day, & yr.) <b>2/25/80</b>

III. INSPECTION INFORMATION

W. INSPECTOR INFORMATION	X. TITLE	
1. NAME <b>VICTOR H. GARCIA</b>	2. <b>ENVIRONMENTAL ENGINEER</b>	
3. ORGANIZATION <b>ENVIRONMENTAL PROTECTION AGENCY</b>	4. TELEPHONE NO. (area code & no.) <b>(713) 226-5761</b>	
5. ORGANIZATION	6. TELEPHONE NO.	
<b>JOSEPH BAYKO</b>	<b>U.S. COAST GUARD</b>	<b>(504) 682-7171</b>
<b>AL GABRIEL</b>	<b>U.S. COAST GUARD</b>	<b>(504) 682-7171</b>
<b>VICTOR H. GARCIA</b>	<b>U.S. E.P.A.</b>	<b>(713) 226-5761</b>

Y. SITE REPRESENTATIVES INTERVIEWED (company officials, workers, residents)

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
<b>DAVID RATCLIFF</b>	<b>(504) 642-3346</b>	<b>P.O. BOX 1</b> <b>ST. GABRIEL, LA 70776</b> <b>P.O. BOX 1</b>
<b>MILLARD J. BONIN</b>	<b>(504) 642-3346</b>	<b>ST. GABRIEL, LA 70776</b>
<b>SUPERFUND FILE</b>		
<b>SEP 13 1992</b>		
<b>REORGANIZER</b>		

REVIEWED BY: (6ASASC) (see file) 2/22/80

BA.8-275/17

## IV. SAMPLING INFORMATION (continued)

## C. PHOTOS

1. TYPE OF PHOTOS

☒ a. GROUND ☐ b. AERIAL

2. PHOTOS IN CUSTODY OF:

S&amp;A DIVISION DALLAS - SEE ATTACHMENT (3)

## D. SITE MAPPED?

☒ YES. SPECIFY LOCATION OF MAPS

SEE ATTACHMENT (4)

## E. COORDINATES

1. LATITUDE (deg.-min.-sec.)

30° 14' 23"

2. LONGITUDE (deg.-min.-sec.)

91° 03' 15"

## V. SITE INFORMATION

## A. SITE STATUS

☒ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if intermittently.)☐ 2. INACTIVE (Those sites which no longer receive wastes.)☐ 3. OTHER (specify):  
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

## B. IS GENERATOR ON SITE?

☐ 1. NO☒ 2. YES (specify generator's four-digit SIC Code):

## C. AREA OF SITE (in acres)

95.74 (ENTIRE PLANT)

## D. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO☒ 2. YES (specify):

0.33 (TWO LAGOONS)

PLANT OFFICES

## VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND	X	5. CHEM./PHYS./TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):	X	6. BIOLOGICAL TREATMENT	X	6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this form.

☐ 1. STORAGE    ☒ 2. INCINERATION    ☐ 3. LANDFILL    ☒ 4. SURFACE IMPOUNDMENT    ☐ 5. DEEP WELL  
 SEE DIAGRAM, ATT. (2)  
☒ 6. CHEM/BIO/PHYS TREATMENT    ☐ 7. LANDFARM    ☐ 8. OPEN DUMP    ☐ 9. TRANSPORTER    ☐ 10. RECYCLOR/RECLAIMER

## VII. WASTE RELATED INFORMATION

## A. WASTE TYPE

☒ 1. LIQUID    ☐ 2. SOLID    ☒ 3. SLUDGE    ☐ 4. GAS

## B. WASTE CHARACTERISTICS

☒ 1. CORROSIVE    ☒ 2. IGNITABLE (INCINERATOR WASTE)    ☐ 3. RADIOACTIVE    ☐ 4. HIGHLY VOLATILE  
☐ 5. TOXIC    ☐ 6. REACTIVE    ☐ 7. INERT    ☐ 8. FLAMMABLE

☐ 9. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

METALS ANALYSIS OF SLUDGE IN LAGOON

## VIII. HAZARD DESCRIPTION (continued)

☐ B. NON-WORKER INJURY/EXPOSURE☐ C. WORKER INJURY/EXPOSURE☐ D. CONTAMINATION OF WATER SUPPLY☐ E. CONTAMINATION OF FOOD CHAIN☐ F. CONTAMINATION OF GROUND WATER☐ G. CONTAMINATION OF SURFACE WATER

## VIII. HAZARD DESCRIPTION (continued)

☐ N. FIRE OR EXPLOSION☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID☐ P. SEWER, STORM DRAIN PROBLEMS☐ Q. EROSION PROBLEMS☐ R. INADEQUATE SECURITY☐ S. INCOMPATIBLE WASTES

Continued From Page 8

X. WATER AND HYDROLOGICAL DATA (continued)				
H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE				
1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COM- MUNITY (mark 'X')	5. COMMUN- ITY (mark 'X')
CITY SUPPLY HWY 3 # 77	190 FT	INTERSECTION HWY 30 & 77		X
THIS IS CLOSEST KNOWN WATER WELL - APPROX. 0.4 MI FROM SITE				
I. RECEIVING WATER				
1. NAME MISSISSIPPI RIVER		<input type="checkbox"/> 2. SEWERS <input checked="" type="checkbox"/> 3. STREAMS/RIVERS <input type="checkbox"/> 4. LAKES/RESERVOIRS <input type="checkbox"/> 5. OTHER (specify):		
J. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS				
NAVIGATION INDUSTRIAL WATER RAW DRINKING WATER SOURCE				
XI. SOIL AND VEGETATION DATA				
LOCATION OF SITE IS IN				
<input type="checkbox"/> A. KNOWN FAULT ZONE <input type="checkbox"/> B. KARST ZONE <input type="checkbox"/> C. 100 YEAR FLOOD PLAIN <input type="checkbox"/> D. WETLAND <input checked="" type="checkbox"/> E. A REGULATED FLOODWAY <input type="checkbox"/> F. CRITICAL HABITAT <input type="checkbox"/> G. RECHARGE ZONE OR SOLE SOURCE AQUIFER				
LEVEE PROTECTION FROM MISS R. TO 46.5'				
XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED				
Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.				
<input checked="" type="checkbox"/> A. OVERBURDEN SAND	<input checked="" type="checkbox"/> B. BEDROCK (specify below)	<input checked="" type="checkbox"/> C. OTHER (specify below)		
XIII. SOIL PERMEABILITY				
<input type="checkbox"/> A. UNKNOWN <input type="checkbox"/> B. VERY HIGH (100,000 to 1000 cm/sec.) <input type="checkbox"/> C. HIGH (1000 to 10 cm/sec.) <input type="checkbox"/> D. MODERATE (10 to 1 cm/sec.) <input type="checkbox"/> E. LOW (.1 to .001 cm/sec.) <input checked="" type="checkbox"/> F. VERY LOW (.001 to .00001 cm/sec.)				
G. RECHARGE AREA				
<input type="checkbox"/> 1. YES <input checked="" type="checkbox"/> 2. NO      3. COMMENTS:				
H. RECHARGE AREA				
<input type="checkbox"/> 1. YES <input checked="" type="checkbox"/> 2. NO      3. COMMENTS:				
I. SLOPE				
1. ESTIMATE % OF SLOPE 1%		2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC. South - Flows to East → Gonzales Area		
J. OTHER GEOLOGICAL DATA				

# SURFACE IMPOUNDMENTS SITE INSPECTION REPORT (Supplemental Report)

INSTRUCTION  
Answer and Explain  
as Necessary.

1. TYPE OF IMPOUNDMENT

(2) sludge lagoons

2. STABILITY/CONDITION OF EMBANKMENTS

earthen dikes

3. EVIDENCE OF SITE INSTABILITY (Erosion, Settling, Sink Holes, etc.)

☐ YES ☒ NO

SEE DISTURBANCE ATTACHMENT 6

4. EVIDENCE OF DISPOSAL OF IGNITABLE OR REACTIVE WASTE

☐ YES ☒ NO

5. ONLY COMPATIBLE WASTES ARE STORED OR DISPOSED OF IN THE IMPOUNDMENT

☒ YES ☐ NO

6. RECORDS CHECKED FOR CONTENTS AND LOCATION OF EACH SURFACE IMPOUNDMENT

☐ YES ☒ NO

7. IMPOUNDMENT HAS LINER SYSTEM

☐ YES ☒ NO

7a. INTEGRITY OF LINER SYSTEM CHECKED

☐ YES ☐ NO

N/A

7b. FINDINGS

N/A

8. SOIL STRUCTURE AND SUBSTRUCTURE

CLAY - PERMEABILITY  $6 \times 10^{-9}$  CM/SEC

9. MONITORING WELLS

☐ YES ☒ NO

10. LENGTH, WIDTH, AND DEPTH (APPROX)

LENGTH 120' WIDTH 60' DEPTH 9'

11. CALCULATED VOLUMETRIC CAPACITY

2 LAGOONS @ 557,000 GAL = 1,114,000 GAL

12. PERCENT OF CAPACITY REMAINING

= 10%

13. ESTIMATE FREEBOARD

2-2.5 FT

14. SOLIDS DEPOSITION

☒ YES ☐ NO

SLUDGE LAGOON CONTAINS APPROX 2300 TONS SINCE OPERATIONS BEGAN SEPT 76

15. DREDGING DISPOSAL METHOD

NEITHER LAGOON DREDGED TO DATE ONE OF THEM TO BE DREDGED WITHIN MONTHS

16. OTHER EQUIPMENT

INCINERATORS SITE INSPECTION REPORT  
(Supplemental Report)INSTRUCTION  
Answer and Explain  
as Necessary.

## 1. INCINERATION OF ALL SUBSTANCES APPROVED BY REGULATORY AGENCY

☒ YES ☐ NO

(Thermal Oxidizer)

LIST ALL SUBSTANCES INCINERATED, INDICATING WHETHER OR NOT APPROVAL EXISTS.

Two Streams (Liquid Only)

① Organics Stream - long-chained waste amine oil

② Aqueous Stream (&lt;1% contaminants; i.e., 99% water)

contaminants include acid amides, acetic acid, isobutyric acid,  
isobutyl isobutyric acid

IV

## 2. COMBUSTION EFFICIENCY MONITORED

☐ YES ☒ NO (Explain)

## 3. TEMPERATURE, GAS FLOW, RETENTION CALCULATIONS, AND COMBUSTION ZONE MONITORED

☒ YES ☐ NO

Temp only Monitored and Regulated

## 4. MONITORING EQUIPMENT FUNCTIONING PROPERLY

☒ YES ☐ NO

## 5. ADEQUATE MAINTENANCE OF EMISSION CONTROL EQUIPMENT

☒ YES ☐ NO

## 6. MONITORING PORTS IN INCINERATOR (Indicate Position)

☒ YES ☐ NO

Along Exit Stack - SEE PICTURE, ATTACHMENT 3

## 7. WASTE FLOW RATE MONITORED

☒ YES ☐ NO

Liq flow rates to unit

## 8. CUT-OFF DEVICE FUNCTIONING PROPERLY

☒ YES ☐ NO

## 9. STACK TEST

☐ YES ☒ NO

9a. EPA METHOD

## 9b. AGENCY CONDUCTING TEST

9c. DATE

## 10. ADEQUATE METHOD FOR DISPOSAL OF SCRUBBER LIQUOR WASTEWATER (Describe)

☒ YES ☐ NO

RECYCLED THROUGH TREATMENT PROCESS

## 11. ADEQUATE METHOD FOR DISPOSAL OF ASH QUENCHING WASTEWATER OR ASH (Describe)

☐ YES ☐ NO

NOT APPLICABLE - NO ASHES GENERATED. SEE ① ABOVE

## 12. TYPE OF SCRUBBER MEDIUM

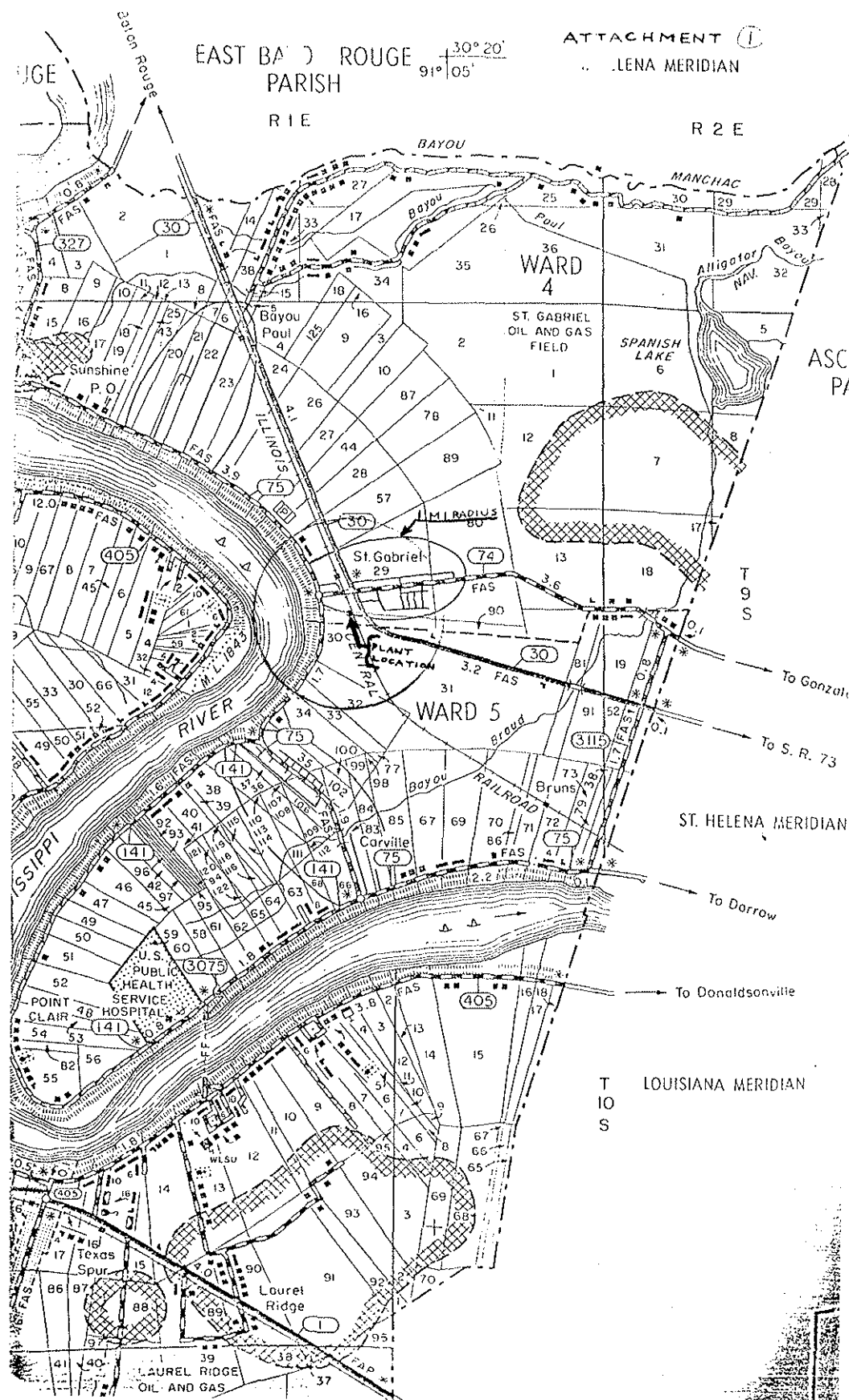
STAINLESS STEEL PELL RINGS

## 13. TYPE OF SCRUBBER

2 scrubbers: packed, tray

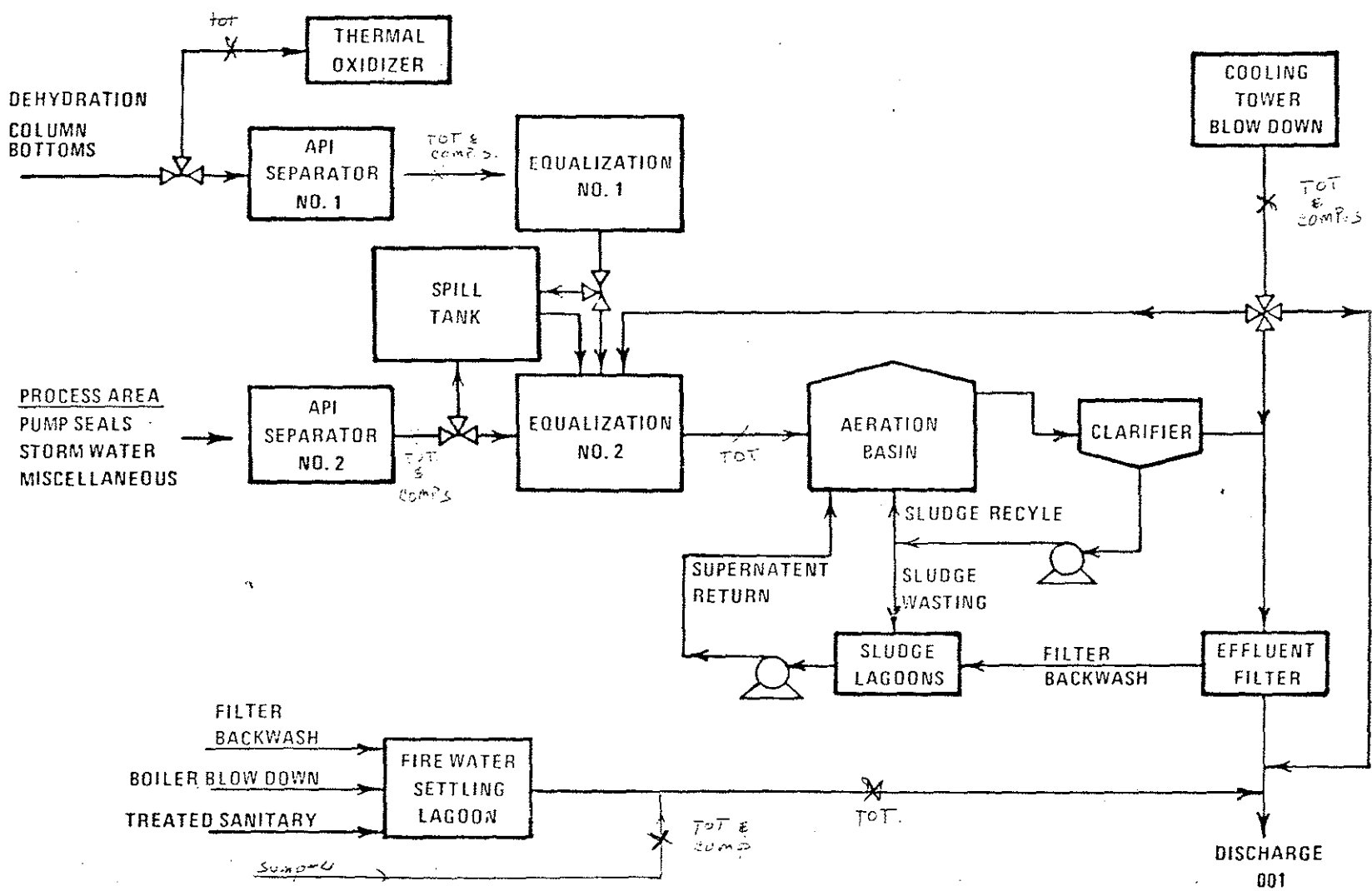
## 14. MIST ELIMINATOR

☐ YES ☒ NO



ATTACHMENT 2

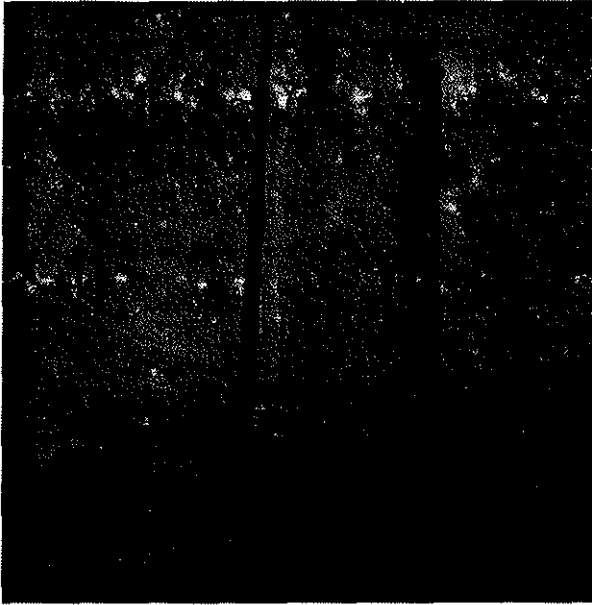
EPA MMS-100-13 SYS-1  
 TOT = Totalizer  
 Comp S. = Composite Sampler



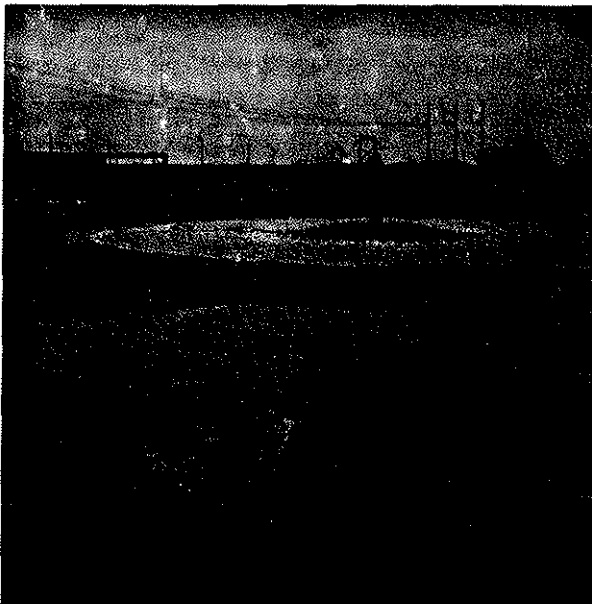
SCHMATIC OF WASTEWATER TREATMENT  
 Air Products and Chemicals, Inc.  
 St. Gabriel, Iberville Parish, La.

ATTACHMENT G  
RCRA INSPECTION  
AIR PRODUCTS AND CHEM, IN  
ST. GABRIEL, LA

2/12/80



THERMAL OXIDIZER



WEST AERATED SLUDGE LAGOON



AIR PRODUCTS - ST. GAB. - LA



POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION

6

SITE NUMBER (to be assigned by HQ)

**NOTE:** This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME <i>Air Products &amp; Chemicals Inc.</i>		B. STREET (or other identifier) <i>Box 1</i>	
C. CITY <i>St. Saint Gabriel</i>	D. STATE <i>La</i>	E. ZIP CODE <i>70776</i>	F. COUNTY NAME <i>Acadian</i>
G. OWNER/OPERATOR (If known) 1. NAME <i>Air Products, Contact David Ratcliff, plant</i>		2. TELEPHONE NUMBER <i>504 642-3346</i>	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			
I. SITE DESCRIPTION <i>located corner LA 30 and LA 315. Plant less than 3 years old. Site has treatment tanks and include bio-lagoons approx 60x120 feet. Thermal stillage for aqueous streams and waste oils.</i>			
J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) <i>Bob Eckhardt report #LA/153/5, ES # 1170</i>		K. DATE IDENTIFIED (mo., day, & yr.) <i>11-26-79</i>	
L. PRINCIPAL STATE CONTACT 1. NAME <i>Joe Lussier</i>		2. TELEPHONE NUMBER <i>925-6580</i>	

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input checked="" type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN	
B. RECOMMENDATION <input type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <input checked="" type="checkbox"/> 3. SITE INSPECTION NEEDED (low priority) a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <i>SEP 18 1992</i> <i>REORGANIZED</i>	

C. PREPARER INFORMATION 1. NAME <i>Bill McAnally / Larry Wright</i>		2. TELEPHONE NUMBER <i>FTS 729-8941</i>	3. DATE (mo., day, & yr.) <i>Nov/29/1979</i>
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III. SITE INFORMATION

A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify): (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)	
B. IS GENERATOR ON SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify generator's four-digit SIC Code):	
C. AREA OF SITE (in acres)	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg., min., sec.) 2. LONGITUDE (deg., min., sec.)
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify): <i>Manufacturing plant</i>	

A1 PRODUCTS - ST. GABRIEL LA

## V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

## VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER	X			
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				


### REFERENCE 3

## AIR PRODUCTS &amp; CHEMICALS

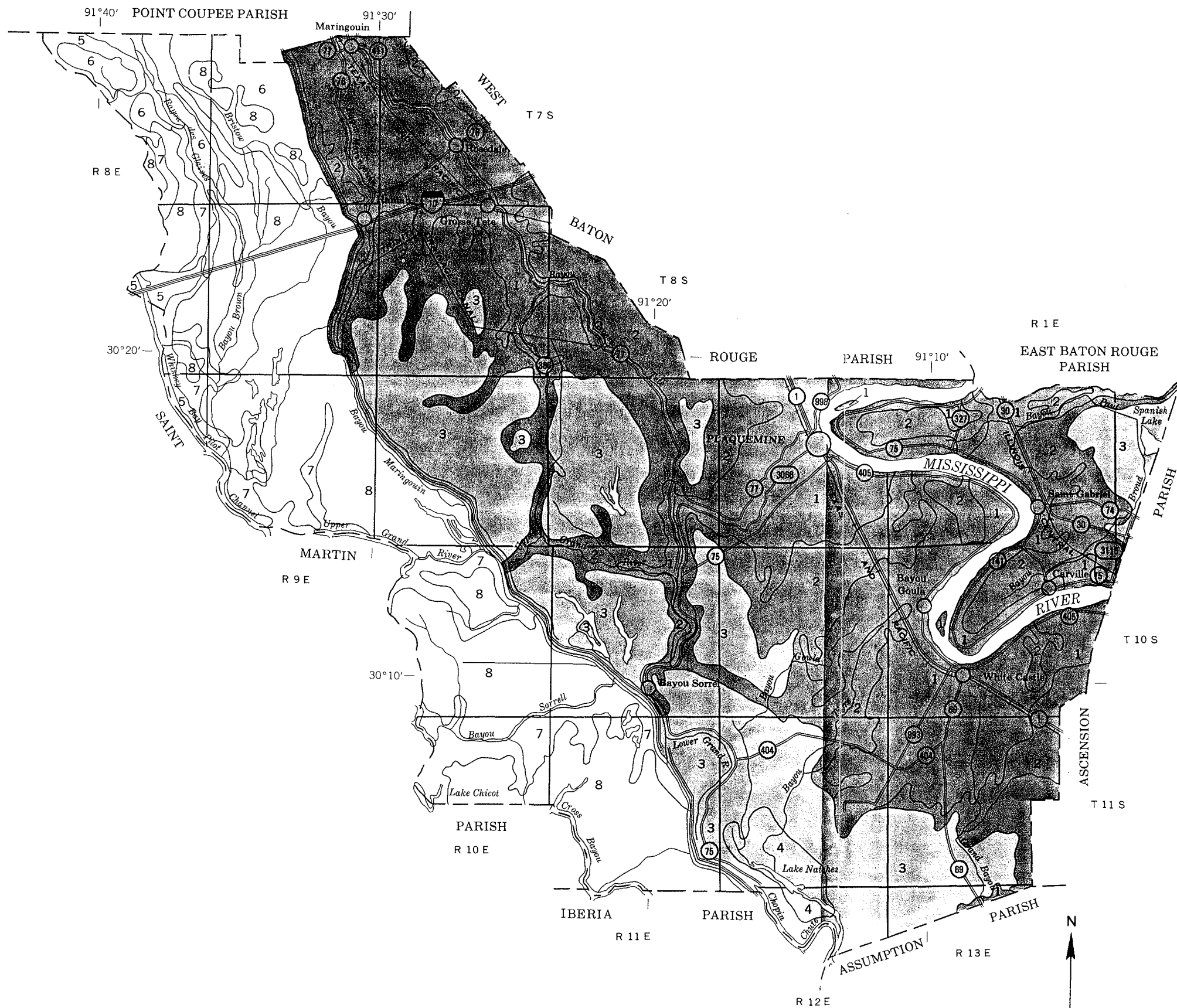
LATITUDE 30:15: 5 LONGITUDE 91: 5:34

1980 POPULATION

KM	0.00-.400	.400-.800	.800-1.61	1.61-3.23	3.23-4.84	4.84-6.45	SECTOR TOTALS
S 1	0	0	0	0	0	0	0
S 2	0	0	0	0	0	0	0
S 3	0	0	0	0	0	0	0
S 4	0	0	0	0	0	0	0
S 5	0	0	0	0	0	0	0
S 6	0	0	0	0	0	0	0
S 7	0	0	0	0	0	0	0
S 8	0	0	0	0	0	0	0
S 9	0	0	0	1037	0	0	1037
S10	0	0	0	0	493	0	493
S11	0	0	0	0	0	0	0
S12	0	0	0	0	0	0	0
S13	0	0	0	0	0	0	0
S14	0	0	0	0	0	0	0
S15	0	0	0	0	0	0	0
S16	0	0	0	0	0	2592	2592
RING TOTALS	0	0	0	1037	493	2592	4122

08/01/94  


#### **REFERENCE 4**



# LEGEND

SOILS THAT ARE SELDOM TO NEVER FLOODED;  
OUTSIDE THE ATCHAFALAYA BASIN FLOODWAY

- Commerce association: Nearly level, somewhat poorly drained loamy soils
- Sharkey association: Level, poorly drained clayey soils

SOILS THAT ARE FREQUENTLY FLOODED; OUTSIDE  
THE ATCHAFALAYA BASIN FLOODWAY

- 3 Sharkey-Fausse association: Level, poorly drained and very poorly drained, frequently flooded clayey soils
- 4 Barbary association: Level, very poorly drained, nearly continuously flooded clayey soils

SOILS THAT ARE OCCASIONALLY TO FREQUENTLY  
FLOODED; INSIDE THE ATCHAFALAYA BASIN FLOODWAY

- 5 Convent, flooded association: Level and gently undulating, somewhat poorly drained, occasionally flooded loamy soils
- 6 Sharkey, flooded association: Level, poorly drained, occasionally flooded clayey soils
- 7 Convent-Fausse association: Gently undulating and level, somewhat poorly drained and very poorly drained, frequently flooded loamy and clayey soils
- 8 Fausse-Sharkey association: Level, very poorly drained and poorly drained, frequently flooded clayey soils

T 9 S

Compiled 1976

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
LOUISIANA AGRICULTURAL EXPERIMENT STATION  
**GENERAL SOIL MAP**  
IBERVILLE PARISH, LOUISIANA

Scale 1:253,440  
1 0 1 2 3 4 Miles

Each area outlined on this map consists of more than one kind of soil. The map is thus meant for general planning rather than a basis for decisions on the use of specific tracts.